

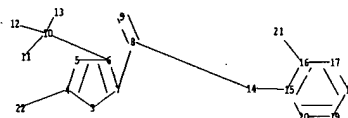
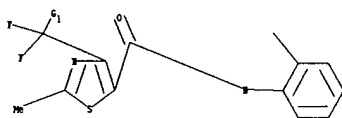
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10532529rxnb.str



chain nodes :

8 9 10 11 12 13 14 22

ring nodes :

3 4 5 6 7 15 16 17 18 19 20 21

chain bonds :

4-22 6-10 7-8 8-9 8-14 10-13 10-11 10-12 14-15 16-21

ring bonds :

3-4 3-7 4-5 5-6 6-7 15-16 15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

3-4 3-7 4-5 5-6 6-7 8-9 8-14 10-13 14-15

exact bonds :

4-22 6-10 7-8 10-11 10-12 16-21

normalized bonds :

15-16 15-20 16-17 17-18 18-19 19-20

G1:H,F

G2:X,O,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO

Match level :

3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS 10:CLASS 11:CLASS

12:CLASS 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom

21:CLASS 22:CLASS

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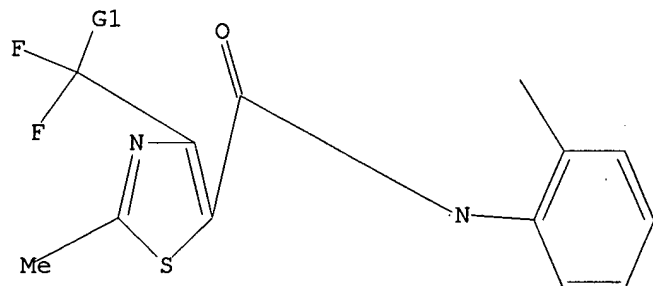
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L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



G1 H, F

G2 X, O, MeO, EtO, n-PrO, i-PrO, n-BuO, i-BuO, s-BuO, t-BuO

Structure attributes must be viewed using STN Express query preparation.

=> s l4 full

FULL SEARCH INITIATED 13:54:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 492 TO ITERATE

100.0% PROCESSED 492 ITERATIONS

228 ANSWERS

SEARCH TIME: 00.00.01

L5 228 SEA SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
166.94	421.78

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-12.75

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 13:54:45 ON 07 DEC 2006

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FILE LAST UPDATED: 6 Dec 2006 (20061206/ED)

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=> s 15 full
L6 24 L5

=> d ibib abs hitstr 1-24

Karen Cheng

10508329

L6 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:512967 CAPLUS

DOCUMENT NUMBER: 144:482751

TITLE:

INVENTOR(S):

Synergistic fungicidal menadione compositions
Koehle, Harald; Stierl, Reinhard; Gold, Randall Evan;
Goerth, Felix Christian; Speakman, John-Bryan; Dombro,
Peter; Semar, Martin; Strobel, Dieter; Niedenbrueck,
Matthias; Bestman, Hans
Baaf Aktiengesellschaft, Germany
PCT Int. Appl., 43 pp.
CODEN: PIXXD2

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006056434	A1	20060601	WO 2005-EP12562	20051124
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: DE 2004-102004057279A 20041126

OTHER SOURCE(S):

MARPAT 144:482751

AB Synergistic fungicidal compps. comprise menadione and at least one agent selected from: (A) azoles, such as cyproconazole, difenoconazole, epoxiconazole, fluquinconazole, flusilazole, hexaconazole, imazalil, metconazole, myclobutanil, penconazole, prochloraz, prothioconazole, tebuconazole, triadimefon, triadimenol, triflumizole; (B) strobilurines, such as azoxystrobin, dimoxystrobin, fluoxastrobin, kresoxim-Me, metominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, or trifloxystrobin; (C) acylalanines, such as benalaxyl, metalaxyl, mefenoxam, ofurace, oxadixyl; (D) amine derivs., such as spiromamine; (E) anilinopyrimidines, such as pyrimethanil, mepanipyrim, or cyprodinil; (F) dicarboximides, such as iprodion, procymidon, vinclozolin; (G) cinnamamides and analogs, such as dimethomorph, flumetover, or flumorph; (H) dithiocarbamates, such as ferbam, nabam, maneb, metan, metiram, propineb, polycarbamate, thiram, ziram, zineb; (I) heterocyclic compds., such as benomyl, boscalid, carbendazim, dithianon, famoxadone, fenamidone, picobenzamide, proquinazid, quinoxifen, thiophanate-Me, triforine, 5-chloro-7-(4-methyl-piperidine-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidin, 3-(3-bromo-6-fluoro-2-methyl-indol-1-sulfonyl)-[1,2,4]triazol-1-sulfonic acid di-Me amide, or thiophene derivs.

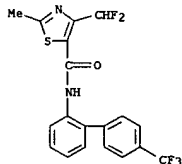
IT 887499-92-5 887499-93-6 887499-94-7

RI: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal composition)

RN 887499-92-5 CAPLUS

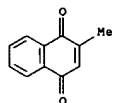
L6 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 58-27-5

CHF C11 H9 O2



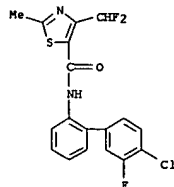
RN 887499-94-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CH 1

CRN 577954-96-2

CHF C18 H12 Cl F3 N2 O S



CH 2

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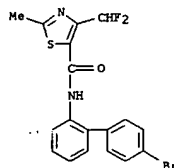
L6 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CH 1

CRN 577954-87-1

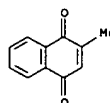
CHF C18 H13 Br F2 N2 O S



CH 2

CRN 58-27-5

CHF C11 H8 O2



RN 887499-93-6 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-(4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl)-, mixt. with 2-methyl-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CH 1

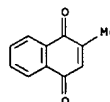
CRN 577954-88-2

CHF C19 H13 F5 N2 O S

L6 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 58-27-5

CHF C11 H9 O2



REFERENCE COUNT: 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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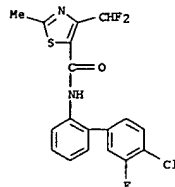
L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:273896 CAPLUS
 DOCUMENT NUMBER: 144:306857
 TITLE: Synergistic fungicidal compositions comprising spiroxamine, an azole and a carboxamide derivative
 INVENTOR(S): Dahmen, Peter; Wachendorff-Neumann, Ulrike; Dunkel, Ralf
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
 SOURCE: Ger. Offen., 29 pp.
 CODEN: GWXXEX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

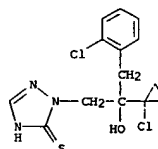
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004045242	A1	20060323	DE 2004-102004045242	20040917
WO 2006032356	A1	20060330	WO 2005-EP9503	20050903

V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LX, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 PRIORITY APPLN. INFO.: DE 2004-102004045242A 20040917
 OTHER SOURCE(S): MARPAT 144:306857
 AB Synergistic fungicidal compns. comprise spiroxamine, a known azole fungicide, such as prothioconazole, and a known carboxamide derivative fungicide.
 IT 879882-98-1 879882-99-2 879883-00-8
 879883-01-9 879883-02-0
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicide composition)
 RN 879882-98-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)
 CH 1
 CRN 577954-96-2
 CHF C18 H12 Cl F3 N2 O S

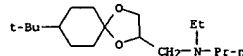
L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2
 CRN 178928-70-6
 CHF C14 H15 Cl2 N3 O S



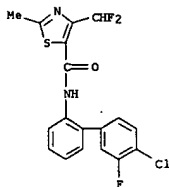
CH 3
 CRN 118134-30-8
 CHF C18 H35 N O2



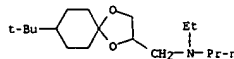
RN 879882-99-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

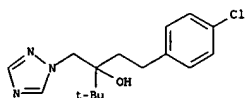
CH 1
 CRN 577954-96-2
 CHF C18 H12 Cl F3 N2 O S



CH 2
 CRN 118134-30-8
 CHF C18 H35 N O2



CH 3
 CRN 107534-96-3
 CHF C16 H22 Cl N3 O



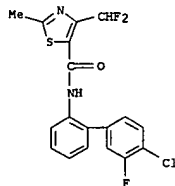
RN 879883-00-8 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with β-([1,1'-biphenyl]-4-yl)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1

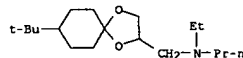
Karen Cheng

L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

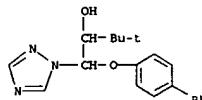
CRN 577954-96-2
 CHF C18 H12 Cl F3 N2 O S



CH 2
 CRN 118134-30-8
 CHF C18 H35 N O2



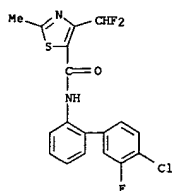
CH 3
 CRN 55179-31-2
 CHF C20 H23 N3 O2



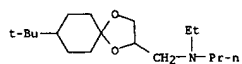
RN 879883-01-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with β-(4-chlorophenoxy)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1
 CRN 577954-96-2

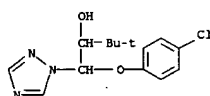
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L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CMF C18 H12 C1 F3 N2 O S

CM 2

CRN 118134-30-8
CMF C18 H35 N O2

CM 3

CRN 55219-65-3
CMF C14 H18 C1 N3 O2

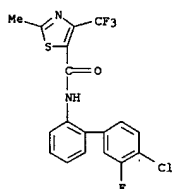
RN 879883-02-0 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-4-(3H)-quinazolinone and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CM 1

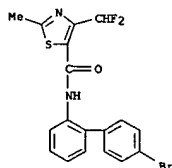
L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

577954-96-2D, mixts. with spiroxamine and azoles
 577955-06-7D, mixts. with spiroxamine and azoles
 879882-81-2D, mixts. with spiroxamine and azoles
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide compns.)
 RN 577794-43-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577954-87-1 CAPLUS

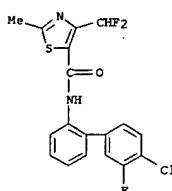
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



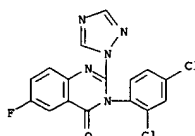
RN 577954-88-2 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-(4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl)- (9CI) (CA INDEX NAME)

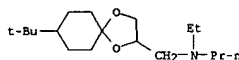
L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 577954-96-2
CMF C18 H12 C1 F3 N2 O S

CM 2

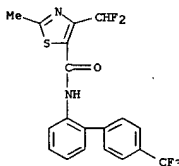
CRN 136426-54-5
CMF C16 H8 C12 F N5 O

CM 3

CRN 118134-30-8
CMF C18 H35 N O2

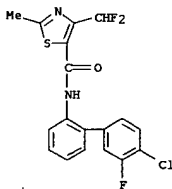
IT 577794-43-5D, mixts. with spiroxamine and azoles
 577954-87-1D, mixts. with spiroxamine and azoles
 577954-88-2D, mixts. with spiroxamine and azoles

L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



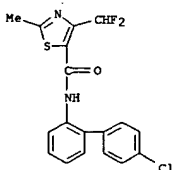
RN 577954-96-2 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-06-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



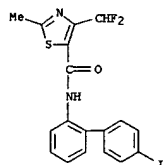
RN 879882-81-2 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-(4'-iodo[1,1'-biphenyl]-2-yl)-2-methyl- (9CI) (CA INDEX NAME)

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L6 ANSWER 2 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

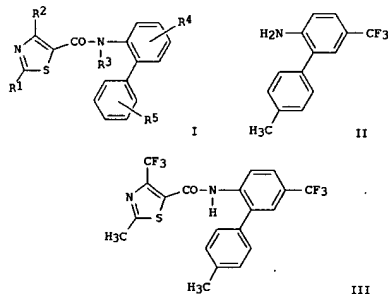
ACCESSION NUMBER: 2006:190966 CAPLUS
 DOCUMENT NUMBER: 144:254121
 TITLE: Preparation of biphenylthiazolcarboxamides as agrochemical fungicides
 INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Greul, Joerg Nico; Hartmann, Benoit; Gayer, Herbert; Seitz, Thomas; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
 SOURCE: Ger. Offen., 34 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004041532	A1	20060302	DE 2004-102004041532	20040827
WO 2006024389	A2	20060309	WO 2005-EP8839	20050813
WO 2006024389	A3	20060518		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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PRIORITY APPLN. INFO.: DE 2004-102004041532A 20040827
 OTHER SOURCE(S): MARPAT 144:254121
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L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

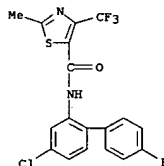


AB Title compds. I (R1 = H, halo, amino, etc.; R2 = halo, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkylsulfinyl, etc.; R4 = (R4')m; R4' = halo, alkyl, alkoxy, etc.; m = 1-2; R5 = halo, CN, NO2, etc.) were prepared. For example, coupling of aniline II and 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride afforded thiazolcarboxamide III in 66% yield. In potosphaera apple protection assays, compds. I at 100 g/ha exhibited 100% protection after 10-days.

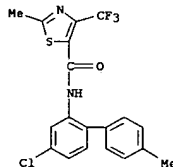
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 877176-48-2P 877176-49-3P 877176-50-6P
 877176-51-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of biphenylthiazolcarboxamides as agrochem. fungicide)
 RN 877176-27-7 CAPLUS
 CN 5-Thiazolcarboxamide, N-(4-chloro-4'-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

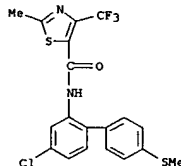
L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-28-8 CAPLUS
 CN 5-Thiazolcarboxamide, N-(4-chloro-4'-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-29-9 CAPLUS
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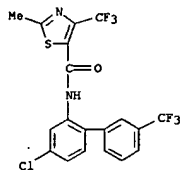


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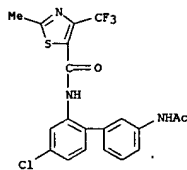
Karen Cheng

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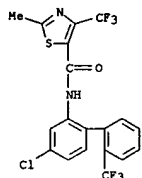
L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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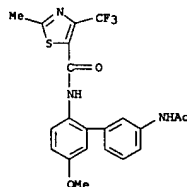
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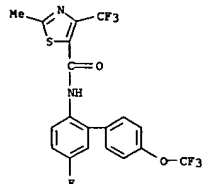
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L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877176-36-8 CAPLUS
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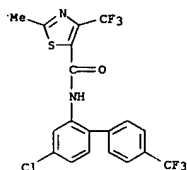


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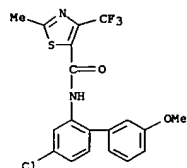


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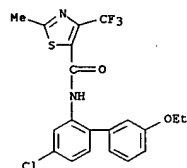
L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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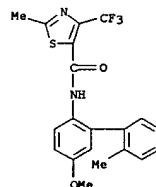
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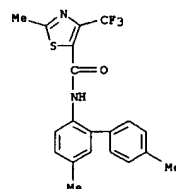
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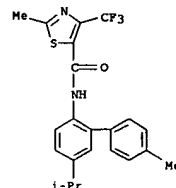
L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-39-1 CAPLUS
CN 5-Thiazolecarboxamide, N-(4',5'-dimethyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-40-4 CAPLUS
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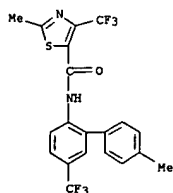


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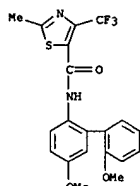
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L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



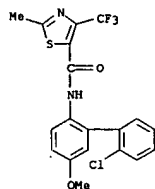
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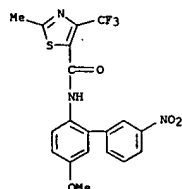
RN 877176-43-7 CAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-2'-(trifluoromethyl)[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877176-46-0 CAPLUS
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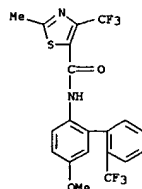


RN 877176-47-1 CAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-3'-nitro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

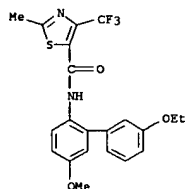


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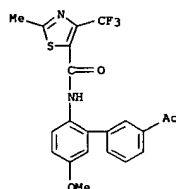
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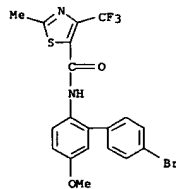
RN 877176-44-8 CAPLUS
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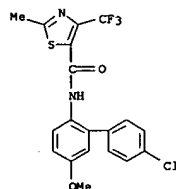
RN 877176-45-9 CAPLUS
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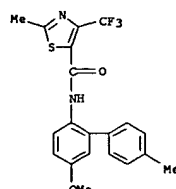
L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877176-49-3 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877176-50-6 CAPLUS
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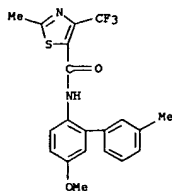


RN 877176-51-7 CAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-3'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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L6 ANSWER 3 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



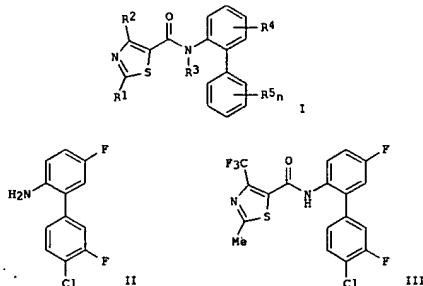
L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:190956 CAPLUS
 DOCUMENT NUMBER: 144:274263
 TITLE: Preparation of biphenylthiazolcarboxamides as agrochemical fungicides
 INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Greul, Joerg Nico; Hartmann, Benoit; Gayer, Herbert; Seitz, Thomas; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
 SOURCE: Ger. Offen., 51 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004041530	A1	20060302	DE 2004-102004041530	20040827
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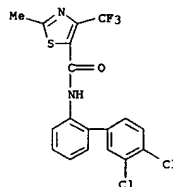
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 PRIORITY APPLN. INFO.: DE 2004-102004041530A 20040827
 OTHER SOURCE(S): MARPAT 144:274263
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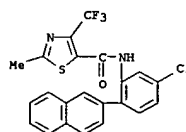


AB Title compds. I [R1 = H, halo, amino, etc.; R2 = halo, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkylsulfinyl, etc.; R4 = halo, alkyl, alkoxy, etc.; R5 = (R5')_n; R5' = halo, CN, NO2, etc.; n = 2-5] were prepared. For example, coupling of aniline II and 2-methyl-4-trifluoromethylthiazole-5-carboxylic acid afforded thiazolcarboxamide III in 73% yield. In podosphaera apple protection assays, 9-examples of compds. I at 100 g/ha exhibited 100% protection after 10-days.
 IT 577794-44-6P 877168-81-5P 877168-82-6P
 877168-83-7P 877168-84-8P 877168-85-9P
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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of biphenylthiazolcarboxamides as agrochem. fungicides)
 RN 577794-44-6 CAPLUS
 CN 5-Thiazolcarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

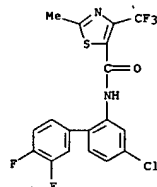
L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-81-5 CAPLUS
 CN 5-Thiazolcarboxamide, N-(5-chloro-2-(2-naphthalenyl)phenyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 877168-82-6 CAPLUS
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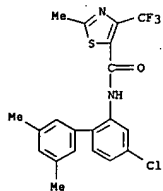


RN 877168-83-7 CAPLUS
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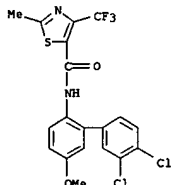
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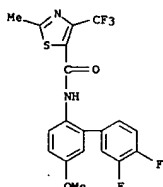
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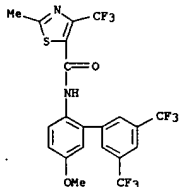
RN 877168-84-8 CAPLUS
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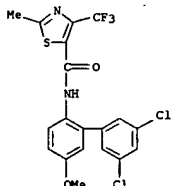
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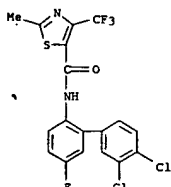
L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-89-3 CAPLUS
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RN 877168-90-6 CAPLUS
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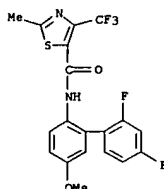


RN 877168-91-7 CAPLUS
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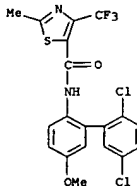
Karen Cheng

L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 877168-86-0 CAPLUS
CN 5-Thiazolecarboxamide, N-(2',4'-difluoro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

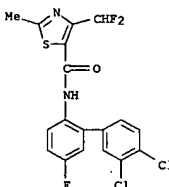


RN 877168-87-1 CAPLUS
CN 5-Thiazolecarboxamide, N-(2',5'-difluoro-5-methoxy[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

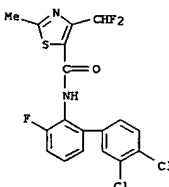


RN 877168-88-2 CAPLUS
CN 5-Thiazolecarboxamide, N-(5-methoxy-3',5'-bis(trifluoromethyl)[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

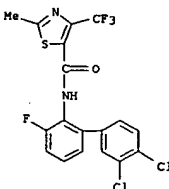
L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-92-8 CAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



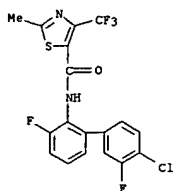
RN 877168-93-9 CAPLUS
CN 5-Thiazolecarboxamide, N-(3',4'-dichloro-3-fluoro[1,1'-biphenyl]-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



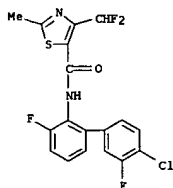
RN 877168-94-0 CAPLUS

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L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



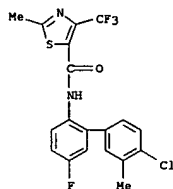
RN 877168-95-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



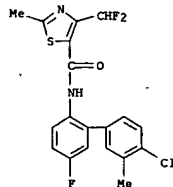
RN 877168-96-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

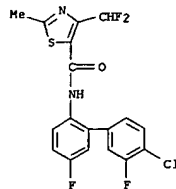
RN 877168-99-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro-3'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



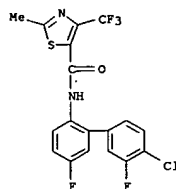
RN 877169-00-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro-3'-methyl[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



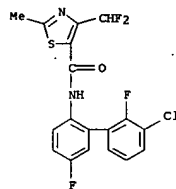
L6 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 877168-97-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3,3'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



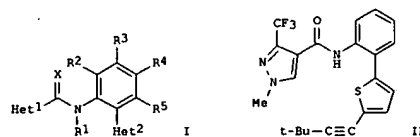
RN 877168-98-4 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3'-chloro-2',5-difluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1354818 CAPLUS
 DOCUMENT NUMBER: 144:88281
 TITLE: Preparation of heterocyclic carboxamides with microbicidal activity
 INVENTOR(S): Lamberth, Clemens; Corsi, Camilla; Ehrenfreund, Josef; Tobler, Hans; Walter, Harald
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.
 SOURCE: PCT Int. Appl., 152 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005123722	A1	20051229	WO 2005-EP6688	20050621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CO, CI, CN, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:		MARPAT 144:88281		GB 2004-13970 A 20040622
OTHER SOURCE(S): GI				



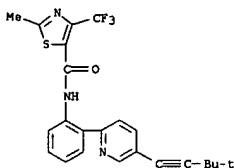
AB Title compds. I (Het1-2 = 5-6 membered heterocyclic ring; R1 = H, formyl, carboxyalkyl, etc.; R2-5 = H, halo, Me, CF3; X = O, S) are prepared. For instance, II is prepared in 5 steps from 2-(tributylstannyl)thiophene, 1-iodo-2-nitrobenzene, 3,3-dimethyl-1-butene and 1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxylic acid. II when applied to plants inoculated with *P. recondita* nearly completely prevented infestation (0-5%). I are suitable for use as microbicides.

IT 872202-11-4P 872202-12-5P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

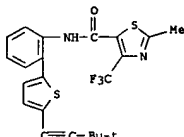
Karen Cheng

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L6 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 (prepn. of heterocyclic carboxamides with microbiocidal activity)
 RN 872202-11-4 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-[5-(3,3-dimethyl-1-butynyl)-2-pyridinyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 872202-12-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-[5-(3,3-dimethyl-1-butynyl)-2-thienyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



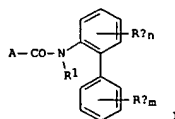
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:1242397 CAPLUS
 DOCUMENT NUMBER: 143:473904
 TITLE: Synergistic fungicide mixtures comprising a triazolopyrimidine and biphenyl amide derivatives
 Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
 INVENTOR(S): BASF Aktiengesellschaft, Germany
 PATENT ASSIGNEE(S): PCT Int. Appl., 23 pp.
 SOURCE: CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110089	A2	20051124	WO 2005-EP5069	20050511
WO 2005110089	A3	20060216		

V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPL. INFO.: MARPAT 143:473904 DE 2004-102004024203A 20040513
 OTHER SOURCE(S): GI

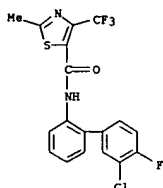


AB The title fungicide mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and a biphenyl amide I [A = (un)substituted oxathiin or 5-membered heteroaryl; R1 = H, alkyl, alkylcarbonyl or a carbonyl bonded group A; R2 = halo, cyano, alkyl, halogenalkyl, alkoxy, alkoxy, halogenalkoxy, alkylthio, alkylcarbonyl, formyl or, alkylene- or alkenylene which connects two

L6 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 adjacent carbon atoms; m = 0, 1, 2, 3, 4 or 5, n = 0, 1 or 2].
 IT 869731-28-2 869731-29-3 869731-30-6
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide mixture)
 RN 869731-28-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

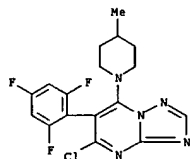
CH 1

CRN 577794-35-5
 CMF C18 H11 C1 F4 N2 O S



CH 2

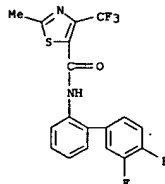
CRN 214706-53-3
 CMF C17 H15 C1 F3 N5



RN 869731-29-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

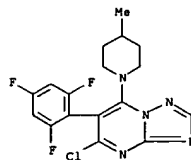
CH 1

L6 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CRN 577794-39-9
 CMF C18 H11 F5 N2 O S



CH 2

CRN 214706-53-3
 CMF C17 H15 C1 F3 N5



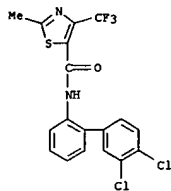
RN 869731-30-6 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CH 1

CRN 577794-44-6
 CMF C18 H11 C12 F3 N2 O S

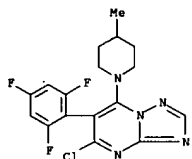
Karen Cheng

16 ANSWER 6 OF 24 CAPIUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 214706-53-3
CMF C17 H15 C1 F3 N5



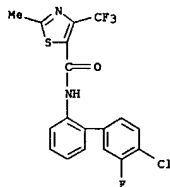
L6 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R1 = H, halo or (halo)alkyl; R1 = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.

and any of a very large number of known fungicides:
IT 577794-43-5D, mixture with carbamate derivative 577954-87-1D
, mixture with carbamate derivative 577954-88-2D, mixture with
carbamate derivative 577955-06-7D, mixture with carbamate derivative
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

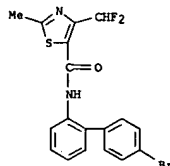
RN 577794-43-5 CAPLUS

5-Thiazolocarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577954-87-1 CAPLUS

5-THIAZOLECARBOXAMIDE, N-(4'-BROMO[1,1'-BIPHENYL]-2-YL)-4-(DIFLUOROMETHYL)-2-METHYL- (9CI) (CA INDEX NAME)



RN 577954-88-2 CAPLUS

CN 5-Thiazolocarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L6 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ANSWER 7 OF 24 CAPLUS COPYRIGHT 2008
ACCESSION NUMBER: 2005:405320 CAPLUS

DOCUMENT NUMBER: 142:425351

TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative

INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 126 pp.

CODEN:

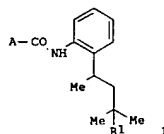
DOCUMENT TYPE: Patent

LANGUAGE: German

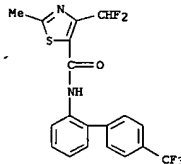
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041653	A2	20050512	WO 2004-EP11403	20041012
WO 2005041653	A3	200505728		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HT, HU, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SI, SK, SL, SN, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, GU, KE, LS, MW, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AE, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10349501	A1	20050525	DE 2003-10349501	20031023
CA 2004285267	A1	20050512	AU 2004-285267	20041012
AU 2543053	AA	20050512	CN 2004-2543053	20041012
EP 1677598	A2	20060712	EP 2004-790298	20041012
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1870895	A	20061129	CN 2004-80031206	20041012
NO 2006002337	A	20060630	NO 2006-2337	20060523
PRIORITY APPL. INFO.:				
			DE 2003-10349501	A 20031023
			WO 2004-EP11403	W 20041012
OTHER SOURCE(S):				
GI				
MARPAT 142:425351				

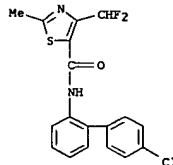


L6 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577955-06-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



10508329

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2005:346774 CAPLUS

DOCUMENT NUMBER:

142:387616

TITLE:

Synergistic fungicidal combinations comprising carboxamide derivatives

INVENTOR(S):

Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anner; Rieck, Heiko

PATENT ASSIGNEE(S):

Bayer Cropscience Aktiengesellschaft, Germany

SOURCE:

PCT Int. Appl., 141 pp.

DOCUMENT TYPE:

CODEN: PIXXD2

LANGUAGE:

Patent

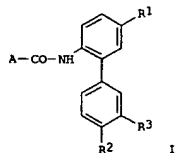
FAMILY ACC. NUM. COUNT:

German

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10347090	A1	20050504	DE 2003-10347090	20031010
AU 2004279674	A1	20050421	AU 2004-279674	20040928
CA 2541646	AA	20050421	CA 2004-2541646	20040928
EP 1675461	A1	20060705	EP 2004-765648	20040928
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
NO 2006002099	A	20060707	NO 2006-2099	20060510
PRIORITY APPLN. INFO.:			DE 2003-10347090	A 20031010
			WO 2004-EP10830	W 20040928
OTHER SOURCE(S):		MARPAT 142:387616		
GI				

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F;

R2 = halo, (halo)alkyl or (halo)alkoxy; R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.

IT 577954-87-1D, mixts. with fungicides 577954-88-2D, mixts. with fungicides 577954-96-2D, mixts. with fungicides 849674-33-5 849674-35-7 849674-38-0

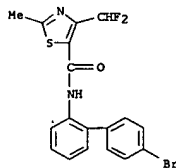
849674-62-0 849674-69-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal combination)

RN 577954-87-1 CAPLUS

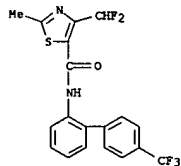
CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577954-88-2 CAPLUS

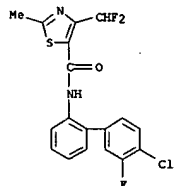
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-96-2 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 849674-33-5 CAPLUS

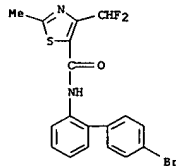
CN Benzeneacetic acid, 2-[(6-(2-cyanophenoxy)-4-pyrimidinyl)oxy]-α-(methoxymethylene)-, methyl ester, (αE)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

CHF C18 H13 Br F2 N2 O 5

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

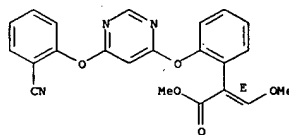


CM 2

CRN 131860-33-8

CHF C22 H17 N3 O5

Double bond geometry as shown.



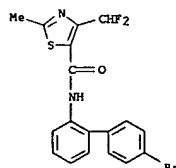
RN 849674-35-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (1E)-[2-[(6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl)oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylxime (9CI) (CA INDEX NAME)

CM 1

CRN 577954-87-1

CHF C18 H13 Br F2 N2 O 5



Karen Cheng

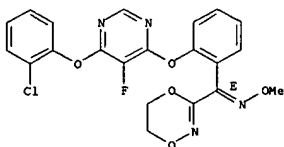
10508329

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2

CRN 361377-29-9
CMF C21 H16 Cl F N4 O5

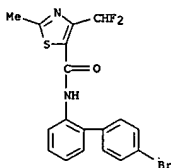
Double bond geometry as shown.



RN 849674-38-0 CAPLUS

CN Benzeneacetic acid, α-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (αE)-, mixt. with N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-5-thiazolecarboxamide (9CI) (CA INDEX NAME)

CH 1

CRN 577954-87-1
CMF C18 H13 Br F2 N2 O 5

CH 2

CRN 141517-21-7
CMF C20 H19 F3 N2 O4

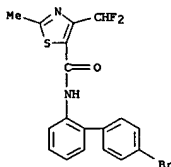
Double bond geometry as shown.

L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 849674-69-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with (αE)-2-[[[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy]-α-(methoxyimino)-N-methylbenzeneacetamide (9CI) (CA INDEX NAME)

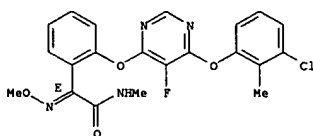
CH 1

CRN 577954-87-1
CMF C18 H13 Br F2 N2 O 5

CH 2

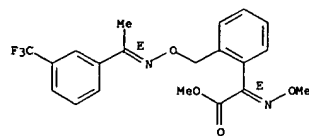
CRN 308286-29-5
CMF C21 H18 Cl F N4 O4

Double bond geometry as shown.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

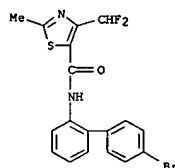
L6 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



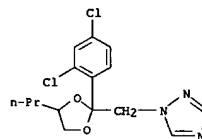
RN 849674-62-0 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 1-[[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1

CRN 577954-87-1
CMF C18 H13 Br F2 N2 O 5

CH 2

CRN 60207-90-1
CMF C15 H17 Cl2 N3 O2

L6 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:283496 CAPLUS

DOCUMENT NUMBER: 142:336464

TITLE: Preparation of heterocyclic substituted silicon compounds with microbicidal activity

INVENTOR(S): Ehrenfreund, Josef; Lamberth, Clemens; Tobler, Hans; Walter, Harald

PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 68 pp.

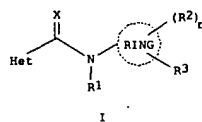
DOCUMENT TYPE: CODEN: PIXXD2

LANGUAGE: Patent

FAMILY ACC. NUM. COUNT: English

PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005028485	A1	20050331	WO 2004-EP10009	20040908
WO 2005028485	C1	20050609		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BV, BY, BZ, CA, CH, CN, CO, CP, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, HL, HR, NE, SN, TD, TG				
AU 2004274153	A1	20050331	AU 2004-274153	20040908
CA 2534867	AA	20050331	CA 2004-2534867	20040908
EP 1664065	A1	20060607	EP 2004-764952	20040908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1852909	A	20061025	CN 2004-80026945	20040908
BR 2004014542	A	20061107	BR 2004-14542	20040908
PRIORITY APPL. INFO.: GB 2003-22012 A 20030919				
WO 2004-EP10009 W 20040908				
OTHER SOURCE(S): MARPAT 142:336464				
GI				



AB Preparation of fungicidal compds. I (X = O, S; RING = Ph, thienyl; Het = 5-or

6-membered heterocyclic ring containing one to three heteroatoms, each independently selected from O, N, S, the ring being substituted by one to four groups R4; R1 = H, optionally substituted (C1-4)alkyl, formyl, optionally substituted (C1-4)alkyl(C(=O)), optionally substituted

Karen Cheng

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L6 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 (C1-4)alkyl(C(=O)O, optionally substituted (C1-4)alkoxy(C1-4)alkyl, optionally substituted allyl, optionally substituted propargyl or optionally substituted allenyl; R2 = independently, halo, optionally substituted (C1-4)alkyl, optionally substituted (C1-4)alkoxy or optionally substituted (C1-4)alkyl; R3 = (C(Ra)Rb)m-Cy-(C(Rc)Rd)n-Y; R4 = independently, selected from halo, C1-3 alkyl, C1-3 haloalkyl, C1-3 alkoxy(C1-3)alkyl and cyano; Ra, Rb, Rc, Rd = independently, H, optionally substituted (C1-4)alkyl; Cy is an optionally substituted carbocyclic or heterocyclic 3-7 membered ring which may be satd., unsatd. or arom. and which optionally contains a silicon atom as a ring member; (C(Ra)Rb)m and (C(Rc)Rd)n may be bound either to the same carbon or silicon atom of Cy or to different atoms sepd. by 1, 2 or 3 ring members; Y = silyloxy etc.), useful as fungicides in agriculture (activity given), is described. Thus, reaction of N-methyl-3-difluoromethyl-4-chlorocarbonylpyrazole with 1,1-dimethyl-3-(2'-amino)phenylsilacyclohexane (prepn. given) gave title compd. which was used as fungicides (activity given).

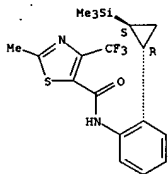
IT 848785-59-1P 848785-75-1P
 RI: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heterocyclic substituted silicon compds. with microbicide activity)

RN 848785-59-1 CAPLUS

CN 5-Thiazolecarboxamide, 2-methyl-4-(trifluoromethyl)-N-[2-[(1R,2S)-2-(trimethylsilyl)cyclopropyl]phenyl]-, rel- (9CI) (CA INDEX NAME)

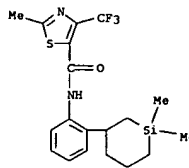
Relative stereochemistry.



RN 848785-75-1 CAPLUS

CN 5-Thiazolecarboxamide, N-[2-[(1,1-dimethylsilacyclohex-3-yl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:54986 CAPLUS

DOCUMENT NUMBER: 142:129055

TITLE: Preparation of pyridinylanilides and their use as antimicrobial agents in agriculture

INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Hartmann, Benoit; Greul, Joerg Nico; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz; Mansfield, Darren James; Coqueron, Pierre-Yves; Rieck, Heiko; Desbordes, Philippe

PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
 SOURCE: PCT Int. Appl., 119 pp.

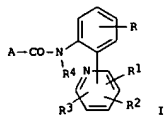
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005004606	A2	20050120	WO 2004-EP7323	20040705
WO 2005004606	A3	20050421		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LX, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1656020	A2	20060517	EP 2004-740656	20040705
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004012486	A	20060919	BR 2004-12486	20040705
CN 1845673	A	20061011	CN 2004-80025577	20040705
US 2006178513	A1	20060810	US 2006-563725	20060418
PRIORITY APPLN. INFO.: EP 2003-15733 A 20030710				
WO 2004-EP7323 W 20040705				
OTHER SOURCE(S): CASREACT 142:129055; MARPAT 142:129055				
GI				



AB Novel pyridinylanilides (I, where R = H, F, Cl, Me, or CF₃; R1, R2, R3 = independently H, halo, CN, thiocarbonyl (un)branched alkyl, etc.; R4 = H, Cl-8 alkyl, Cl-6 alkylsulfanyl, etc.; A = (hetero)cyclic ring) are mixed with extenders and/or surfactants to prepare compns. useful for controlling

L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

unwanted microorganisms. Five processes for prep. the pyridinylanilides are claimed. Thus, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]phenyl]-2-(trifluoromethyl)benzamide, prep. by reacting N-(2-iodophenyl)-2-(trifluoromethyl)benzamide and 2-bromo-3-chloro-5-(trifluoromethyl)pyridine in the presence of bis(pinacolato)diboron and a Pd catalyst, showed 100% efficacy in protecting apple from the mildew pathogen Podosphaera leucotricha.

IT 824952-40-1P 824952-41-2P 824952-62-7P

824952-65-0P 824952-73-0P 824952-79-6P

824952-81-0P 824952-82-1P 824952-83-2P

824952-84-3P 824952-85-4P 824952-90-1P

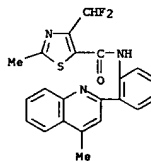
824952-98-9P 824953-06-2P 824953-08-4P

RI: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation and antimicrobial activity against plant pathogens of)

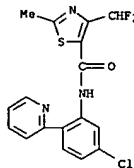
RN 824952-40-1 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[2-(4-methyl-2-quinolinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 824952-41-2 CAPLUS

CN 5-Thiazolecarboxamide, N-[5-chloro-2-(2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



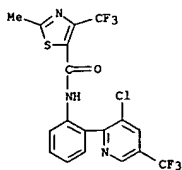
RN 824952-62-7 CAPLUS

CN 5-Thiazolecarboxamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

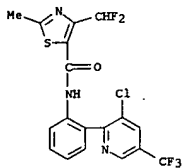
Karen Cheng

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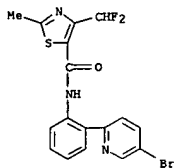
L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 824952-65-0 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(3-chloro-5-(trifluoromethyl)-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



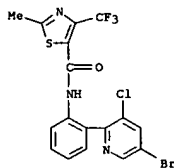
RN 824952-73-0 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



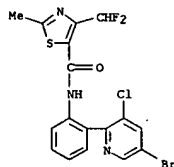
RN 824952-79-6 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(3,5-dichloro-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

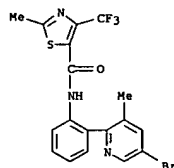
RN 824952-83-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-3-chloro-2-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 824952-84-3 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-3-chloro-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



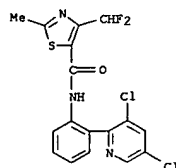
RN 824952-85-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-3-methyl-2-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



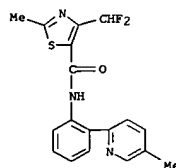
RN 824952-90-1 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(2-fluoro-3-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Karen Cheng

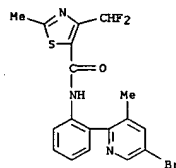
L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



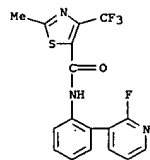
RN 824952-81-0 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-3-methyl-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



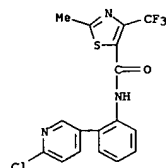
RN 824952-82-1 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(5-bromo-3-methyl-2-pyridinyl)phenyl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



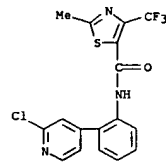
L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 824952-98-9 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(6-chloro-3-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



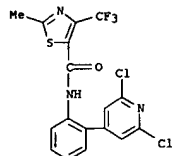
RN 824953-06-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(2-chloro-4-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 824953-08-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(2,6-dichloro-4-pyridinyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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L6 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

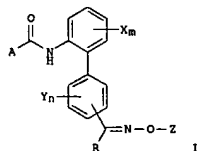


L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:509994 CAPLUS
 DOCUMENT NUMBER: 141:54333
 TITLE: Preparation of biphenylcarboxamides as agricultural fungicides and insecticides
 INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Greul, Joerg Nico; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Dahmen, Peter; Kuck, Karl-Heinz; Loesel, Peter
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
 SOURCE: Ger. Offen., 70 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10258314	A1	20040624	DE 2002-10258314	20021213
WO 2004054982	A1	20040701	WO 2003-EP13498	20031201
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003298156	A1	20040709	AU 2003-298156	20031201
EP 1572663	A1	20050914	EP 2003-795860	20031201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017290	A	20051108	BR 2003-17290	20031201
CN 1745067	A	20060308	CN 2003-80109571	20031201
JP 2006515841	T2	20060608	JP 2004-559734	20031201
PRIORITY APPLN. INFO.: DE 2002-10258314 A 20021213 WO 2003-EP13498 W 20031201				
OTHER SOURCE(S): MARPAT 141:54333				
GI				

L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



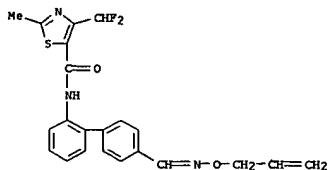
AB Title compds. [I: R = H, alkyl, haloalkyl; Z = alkenyl, alkynyl, haloalkenyl, haloalkynyl; X, Y = halo, cyano, NO2, alkyl, alkoxy, alkylthio, haloalkyl, haloalkoxy, haloalkylthio; m, n = 0-4; A = 5-6 membered substituted heterocyclyl], were prepared. Thus, 2'-amino-1,1'-biphenyl-4-carbaldehyde O-allyloxime (preparation given) and

Et3N was treated with 4-difluoromethyl-2-methylthiazole-5-carbonyl chloride in PhMe at room temperature followed by stirring for 3 h at 50° to give 49.6% N-[4'-[(E)-[(allyloxy)imino]methyl]-1,1'-biphenyl-2-yl]-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide. The latter at 100 ppm gave 100% control of Venturia inaequalis.

IT 705942-96-7P 705943-68-6P 705943-84-6P
 705944-01-0P 705944-30-5P 705944-39-4P
 705944-56-5P 705944-79-2P 705944-89-4P
 705945-06-8P

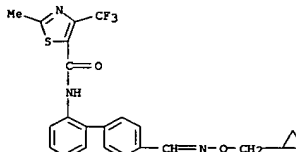
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of biphenylcarboxamides as agricultural fungicides and insecticides)
 RN 705942-96-7 CAPLUS
 CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-[(2-propenyloxy)imino]methyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

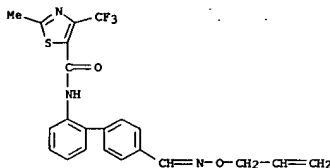


RN 705943-68-6 CAPLUS
 CN 5-Thiazolecarboxamide, N-[4'-[(cyclopropylmethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

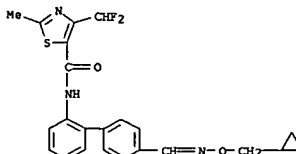
L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 705943-84-6 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(2-propenyloxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 705944-01-0 CAPLUS
 CN 5-Thiazolecarboxamide, N-[4'-[(cyclopropylmethoxy)imino]methyl][1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

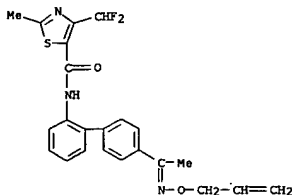


RN 705944-30-5 CAPLUS
 CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-[4'-[(2-propenyloxy)imino]methyl][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

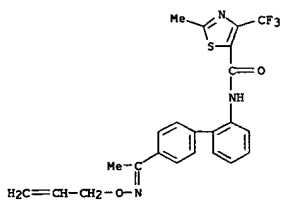
Karen Cheng

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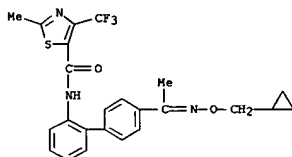
L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



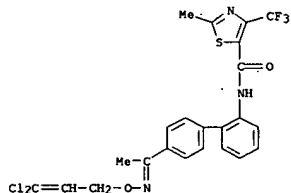
RN 705944-39-4 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[(2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 705944-56-5 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[(2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

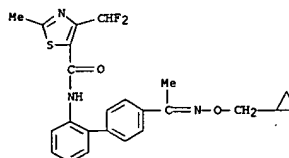


L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

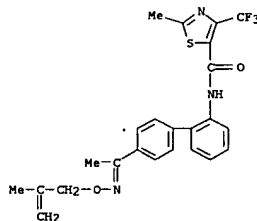
Cl₂C=CH-CH₂-O-N

L6 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 705944-79-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-[(cyclopropylmethoxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 705944-89-4 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[1-[(2-methyl-2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

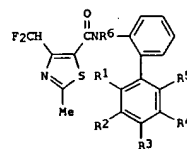


RN 705945-06-8 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[1-[(3,3-dichloro-2-propenyloxy)imino]ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:328832 CAPLUS
DOCUMENT NUMBER: 140:321348
TITLE: Preparation of N-1,1'-biphenyl-2-yl-1,3-thiazole-5-carboxamides as agricultural fungicides
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Wachendorf-Neumann, Ulrike; Kuck, Karl-Heinrich
PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
SOURCE: Ger. Offen., 26 pp.
CODEN: GWXEXX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10246959	A1	20040422	DE 2002-10246959	20021009
CA 2501383	AA	20040429	CA 2003-2501383	20030926
WO 2004035555	A1	20040429	WO 2003-EP10758	20030926
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MV, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NG, TD, TG				
AU 2003287951	A1	20040504	AU 2003-287951	20030926
EP 1551816	A1	20050713	EP 2003-779794	20030926
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003015153	A	20050816	BR 2003-15153	20030926
CN 1688558	A	20051026	CN 2003-823976	20030926
JP 2006506364	T2	20060223	JP 2004-544047	20030926
US 2006128769	A1	20060615	US 2005-530532	20050822
PRIORITY APPL. INFO.: DE 2002-10246959 A 20021009 WO 2003-EP10758 W 20030926				
OTHER SOURCE(S): MARPAT 140:321348				
GI				

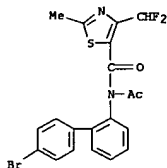


AB Title compds. [I: R1-R5 = H, halo, cyano, NO₂, alkyl, alkenyl, alkoxy, alkylthio, etc.; or R1R2, R2R3 = (substituted) alkenylene; R6 = alkyl, alkylsulfinyl, alkylsulfonyl, alkoxyalkyl, cycloalkyl, etc.], were prepared

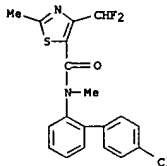
Karen Cheng

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L6 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 Thus, N-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (prepn. given) in THF was treated with NaH. The reaction mixt. was treated with acetyl chloride after 15 min at room temp. followed by stirring for 5 h at 50° to give 95% N-acetyl-N-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide. The latter at 100 ppm gave 100% control of *Sphaerotheca fuliginea*.
 IT 678980-46-6P 678980-47-7P 678980-48-8P
 678980-49-9P 678980-50-2P 678980-51-3P
 678980-52-4P 678980-53-5P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of biphenylthiazolecarboxamides as agricultural fungicides)
 RN 678980-46-6 CAPLUS
 CN 5-Thiazolecarboxamide, N-acetyl-N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

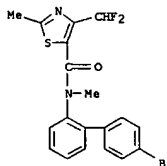


RN 678980-47-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-N,2-dimethyl- (9CI) (CA INDEX NAME)

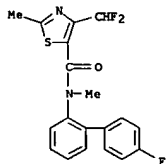


RN 678980-48-8 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-methyl[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-N-[[4-(difluoromethyl)-2-methyl-5-thiazolyl]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)

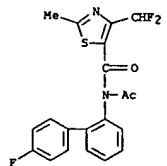
L6 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 N,2-dimethyl- (9CI) (CA INDEX NAME)



RN 678980-52-4 CAPLUS
 CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-N,2-dimethyl- (9CI) (CA INDEX NAME)



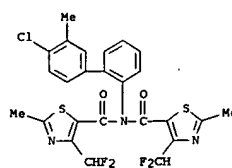
RN 678980-53-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-acetyl-4-(difluoromethyl)-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl- (9CI) (CA INDEX NAME)



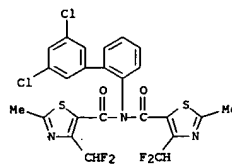
IT 577954-87-1P 577955-06-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of biphenylthiazolecarboxamides as agricultural fungicides)

Karen Cheng

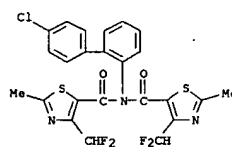
L6 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 methyl- (9CI) (CA INDEX NAME)



RN 678980-49-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3',5'-dichloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-N-[[4-(difluoromethyl)-2-methyl-5-thiazolyl]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)



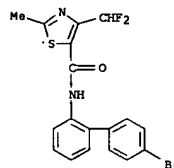
RN 678980-50-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-N-[[4-(difluoromethyl)-2-methyl-5-thiazolyl]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)



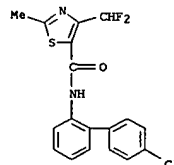
RN 678980-51-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-

L6 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 577954-87-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



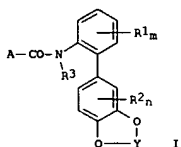
RN 577955-06-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



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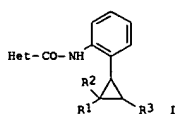
L6 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:891913 CAPLUS
 DOCUMENT NUMBER: 139:360405
 TITLE: Preparation of biphenylcarboxamide derivatives as agrochemical fungicides and bactericides
 INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Markert, Robert; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
 SOURCE: Ger. Offen., 62 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10219035	A1	20031113	DE 2002-10219035	20020429
WO 2003093223	A1	20031113	WO 2003-EP3964	20030416
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GG, GW, ML, MR, NE, SN, TD, TG				
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EP 1501786	A1	20050202	EP 2003-725044	20030416
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BR 2003009830	A	20050301	BR 2003-9830	20030416
JP 2005523934	T2	20050811	JP 2004-501363	20030416
US 2005272785	A1	20051208	US 2005-512706	20050513
PRIORITY APPLN. INFO.: DE 2002-10219035 A 20020429 WO 2003-EP3964 W 20030416				
OTHER SOURCE(S): MARPAT 139:360405 GI				



L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:719453 CAPLUS
 DOCUMENT NUMBER: 139:246007
 TITLE: Preparation of heterocyclic ortho-cyclopropyl-carboxanilides and their use as fungicides
 INVENTOR(S): Ehrenfreund, Josef; Tobler, Hans; Walter, Harald
 PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003074491	A1	20030912	WO 2003-1B687	20030221
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GG, GW, ML, MR, NE, SN, TD, TG				
CA 2477931	AA	20030912	CA 2003-2477931	20030221
AU 2003208490	A1	20030916	AU 2003-208490	20030221
EP 1480955	A1	20041201	EP 2003-706779	20030221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008230	A	20041228	BR 2003-8230	20030221
CN 1639128	A	20050713	CN 2003-805172	20030221
EP 2005532271	T2	20051027	EP 2003-572960	20030221
EG 23424	A	20050712	EG 2003-204	20030301
ZA 2004006395	A	20050921	ZA 2004-6395	20040812
US 2005221989	A1	20051006	US 2005-506918	20050428
PRIORITY APPLN. INFO.: GB 2002-5127 A 20020305 GB 2003-705 A 20030113 WO 2003-1B687 W 20030221				
OTHER SOURCE(S): MARPAT 139:246007 GI				

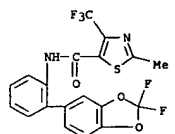


AB Heterocyclic o-cyclopropyl-carboxanilides (shown as I; e.g. N-[2-(2-isopropylcyclopropyl)phenyl]-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide; Het is a 5- or 6-membered heterocyclic ring containing

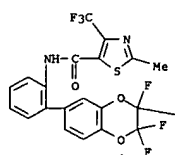
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L6 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The biphenylcarboxamide derivs. I [R1, R2 = H, halo, CN, NO2, (halo)alkyl, (halo)alkoxy, etc.; m = 1-4; n = 1-3; R3 = H, OH, (halo)alkyl, cycloalkyl, etc.; Y = CO or (un)substituted alkylene; A = (un)substituted heterocyclyl] are prepared as agrochem. fungicides and bactericides.
 IT 622383-49-7p 622383-59-9p
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation as agrochem. fungicide and bactericide)
 RN 622383-49-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

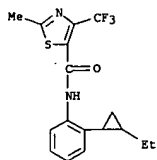


RN 622383-59-9 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2,2,3,3-tetrafluoro-2,3-dihydro-1,4-benzodioxin-6-yl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

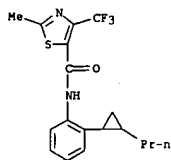


L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 1-3 heteroatoms = O, N and S, the ring being substituted by groups R4, R5 and R6; R1 is H or halo; R2 is H or halo; R3 is (un)substituted C2-12 alkyl, (un)substituted C2-12 alkenyl, (un)substituted C2-12 alkynyl, (un)substituted C3-12 cycloalkyl, (un)substituted Ph or (un)substituted heterocyclyl; and R4, R5 and R6 = H, halo, cyano, nitro, Cl-4 haloalkyl, Cl-4 alkoxy (Cl-4), alkyl and Cl-4 haloalkoxy (Cl-4) alkyl, provided that at least one of R4, R5 and R6 is not H) are claimed. I have plant-protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms. Three example preps. are included. To prep. N-[2-(2-isobutylcyclopropyl)phenyl]-1-methyl-4-trifluoromethyl-1H-pyrazole-3-carboxamide, (2-isobutylcyclopropyl)benzene (17.4 g) in Ac2O was nitrated to give a mixt. of regioisomers that was hydrogenated over 5% Pt/C to give a cis/trans mixt. of 2-(2-isobutylcyclopropyl)phenylamine (6.38 g) after workup; the anilines (0.35 g) were condensed with 1-methyl-4-trifluoromethylpyrrole-3-carboxylic acid after the latter was reacted with oxalyl chloride in CH2Cl2 for 3 h at room temp. to give 0.52 g of the final product. More than 300 examples of I are tabulated, most without characterization data, and general statements are made as to the activity of some or all of them against Puccinia recondita/wheat (brown rust on wheat), Podosphaera leucotricha/apple (Powdery mildew on apple), Venturia inaequalis/apple (Scab on apple), Erysiphe graminis/barley (Powdery mildew on barley), Botrytis cinerea/apple (Botrytis on apple fruits), Botrytis cinerea/grape (Botrytis on grapes), Botrytis cinerea/tomato (Botrytis on tomatoes), Pyrenopeziza teres/barley (Net blotch on barley), and Septoria nodorum/wheat (Septoria leaf spot on wheat). For example, infestation of wheat by brown rust is prevented virtually completely (0-5% infestation) by N-[2-(2-isopropylcyclopropyl)phenyl]-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide.
 IT 599195-75-2, N-[2-(2-Ethylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-77-4, N-[2-(2-Propylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-79-6, N-[2-(2-Methylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-82-1, N-[2-(2-Butylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-87-6, N-[2-(2-Pentylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-89-8, N-[2-(2-3-Methylbutyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-92-3, N-[2-(2-Hexylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-94-5, N-[2-(2-Cyclopropylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-96-7, N-[2-(2-Cyclobutylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-03-9, N-[2-(2-Cycloheptylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-07-3, N-[2-(2-Cyclooctylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-11-9, N-[2-(2-Phenylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-15-3, N-[2-(2-Fluorophenyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-19-7, N-[2-(2-Chlorophenyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-22-2, N-[2-(2-Bromophenyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-24-4, N-[2-(2-Thienyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-28-8, N-[2-(2-(3-Thienyl)cyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-32-4,

L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 N-[2-{2-(2-Furyl)cyclopropyl}phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-36-8, N-[2-{2-(3-Furyl)cyclopropyl}phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-38-0, N-[2-{2-(1-Methylcyclopropyl)cyclopropyl}phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (prepn. of heterocyclic ortho-cyclopropyl-carboxanilides and their use as fungicides)
 RN 599195-75-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-(2-ethylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

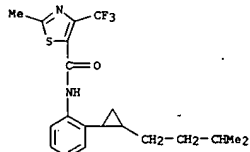


RN 599195-77-4 CAPLUS
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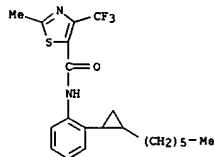


RN 599195-79-6 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-{2-(1-methylethyl)cyclopropyl}phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

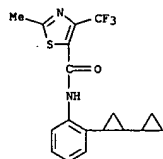
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599195-92-3 CAPLUS
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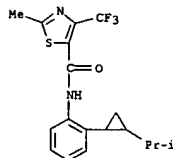


RN 599195-94-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-{1,1'-bicyclopropyl}-2-ylphenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

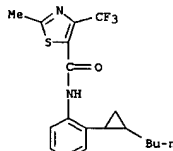


RN 599195-96-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-(2-cyclobutylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

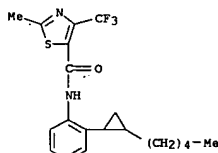
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599195-82-1 CAPLUS
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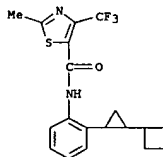


RN 599195-87-6 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2-pentylcyclopropyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

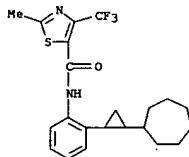


RN 599195-89-8 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-{2-(3-methylbutyl)cyclopropyl}phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

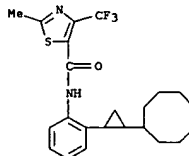
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599196-03-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-(2-cycloheptylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



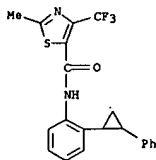
RN 599196-07-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-[2-(2-cyclooctylcyclopropyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



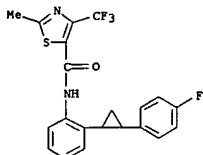
RN 599196-11-9 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2-phenylcyclopropyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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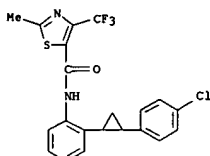
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599196-15-3 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(4-fluorophenyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

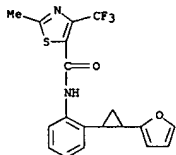


RN 599196-19-7 CAPLUS
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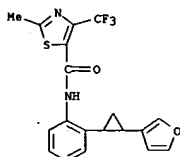


RN 599196-22-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(4-bromophenyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

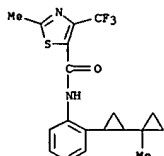
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599196-36-8 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(3-furanyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



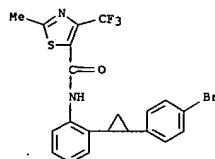
RN 599196-38-0 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(1,1'-methyl[1,1'-bicyclopropyl]-2-yl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



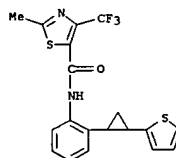
IT 599195-84-3P, N-[2-[2-(2-Methylpropyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-86-5P, N-[2-[2-[1,1-Bis(methyl)ethyl]cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599195-98-9P, N-[2-[2-(Cyclopentyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide 599196-00-6P, N-[2-[2-(Cyclohexyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN

Karen Cheng

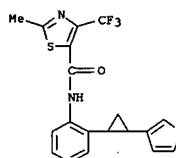
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599196-24-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(2-thienyl)cyclopropyl]phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 599196-28-8 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(3-thienyl)cyclopropyl]phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

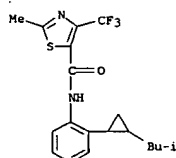


RN 599196-32-4 CAPLUS
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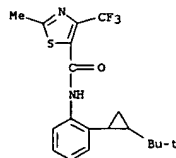
L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of heterocyclic ortho-cyclopropyl-carboxanilides and their use as fungicides)

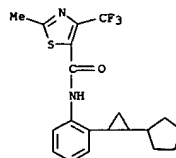
RN 599195-84-3 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(2-methylpropyl)cyclopropyl]phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 599195-86-5 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(1,1-dimethylethyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



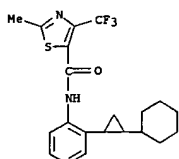
RN 599195-98-9 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-[2-(2-cyclopentyl)cyclopropyl]phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 599196-00-6 CAPLUS

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L6 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 5-Thiazolecarboxamide, N-(2-(2-cyclohexylcyclopropyl)phenyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



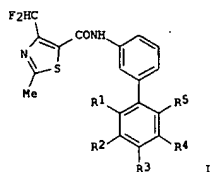
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:633681 CAPLUS

DOCUMENT NUMBER: 139:180056
 TITLE: Preparation of (difluoromethylthiazolyl)carboxanilides as agricultural microbicides
 INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf; Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinz; Mauler-Machnik, Astrid; Kugler, Martin; Jaetsch, Thomas; Wachtler, Peter
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066610	A1	20030814	WO 2003-EP589	20030122
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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AU 2003244431	A1	20030902	AU 2003-244431	20030122
EP 1474407	A1	20041110	EP 2003-737263	20030122
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BR 2003007432	A	20041228	BR 2003-7432	20030122
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CN 1646506	A	20050727	CN 2003-807680	20030122
JP 2005526027	T2	20050902	JP 2003-565984	20030122
ZA 2004006146	A	20050802	ZA 2004-6146	20040802
PRIORITY APPLN. INFO.:			DE 2002-10204391	A 20020204
			WO 2003-EP589	W 20030122
OTHER SOURCE(S):	MARPAT 139:180056			
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L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



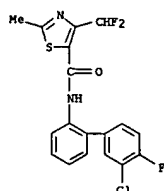
AB Title compds. [I; R1-R5 = H, halo, cyano, NO2, alkyl alkenyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfonyl, cycloalkyl, haloalkyl, whereby R1-R5 can not be H simultaneously; or R1R2, R2R3 = (substituted) alkenylene], were prepared. Thus, 3'-chloro-4'-fluoro-1,1'-biphenyl-2-amine (preparation given) and 2-methyl-4-(difluoromethyl)-1,3-thiazole-5-carbonyl chloride in THF was treated with Et3N followed by stirring for 16 h at 60° to give 84% N-(3'-chloro-4'-fluoro-1,1'-biphenyl-2-yl)-2-methyl-4-(difluoromethyl)-1,3-thiazole-5-carboxamide. Several I at 10 ppm gave 87-100% control of Venturia inaequalis.

IT 577954-85-9P 577954-87-1P 577954-88-2P
 577954-89-3P 577954-90-6P 577954-91-7P
 577954-92-8P 577954-93-9P 577954-94-0P
 577954-95-1P 577954-96-2P 577954-97-3P
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (difluoromethylthiazolyl)carboxanilides as agricultural microbicides)

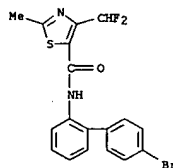
RN 577954-85-9 CAPLUS
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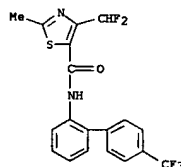
Karen Cheng

L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

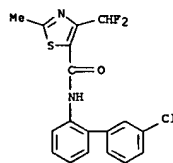
RN 577954-87-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-bromo[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577954-88-2 CAPLUS
 CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-2-methyl-N-(4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl)- (9CI) (CA INDEX NAME)



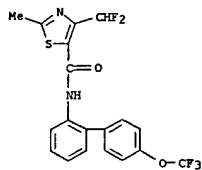
RN 577954-89-3 CAPLUS
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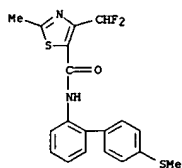
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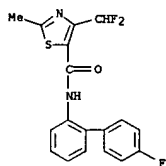
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-91-7 CAPLUS
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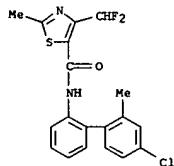


RN 577954-92-8 CAPLUS
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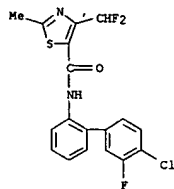


RN 577954-93-9 CAPLUS

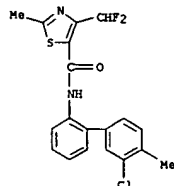
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-96-2 CAPLUS
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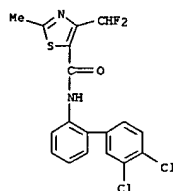


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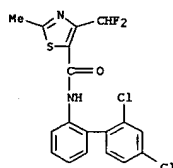


RN 577954-98-4 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-2'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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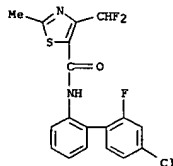


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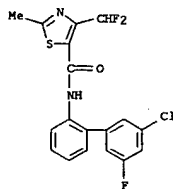


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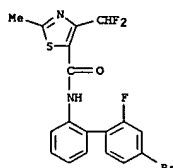
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577954-99-5 CAPLUS
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RN 577955-00-1 CAPLUS
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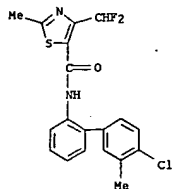


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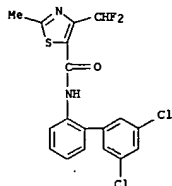
Karen Cheng

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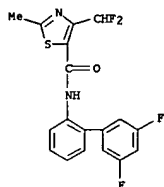
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



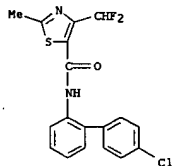
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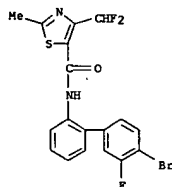
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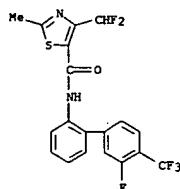
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577955-07-8 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-08-9 CAPLUS
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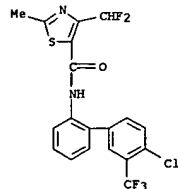


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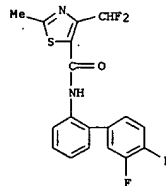
Karen Cheng

L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 577955-04-5 CAPLUS
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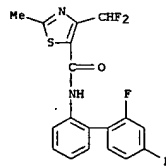


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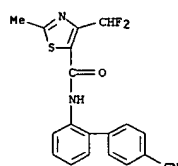


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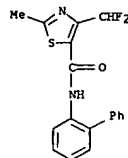
L6 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577955-10-3 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-cyano[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



RN 577955-11-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:633680 CAPLUS

DOCUMENT NUMBER: 139:164788

TITLE: Preparation of (trifluoromethylthiazolyl)carboxanilides as agricultural microbicides

INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Kuck, Karl-Heinz; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid

PATENT ASSIGNEE(S): Bayer CropScience AG, Germany

SOURCE: PCT Int. Appl., 66 pp.

CODEN: FIXXDZ

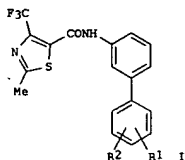
DOCUMENT TYPE: Patent

LANGUAGE: German

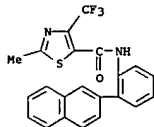
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

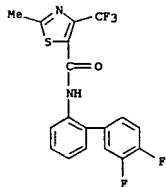
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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PRIORITY APPLN. INFO.:			WO 2003-EF588	W 20030122
OTHER SOURCE(S): MARPAT 139:164788				
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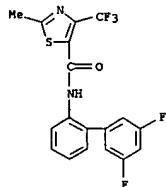
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-39-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-40-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(3',5'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

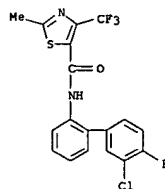


RN 577794-41-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(2',4'-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

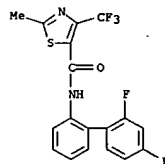
AB Title compds. [I: R1, R2 = H, halo, cyano, NO2, alkyl alkenyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfonyl, cycloalkyl, haloalkyl; or R1R2 = (substituted) alkenylene], were prepared. Thus, 3'-chloro-4'-fluoro-1,1'-biphenyl-2-amine (preparation given) and 2-methyl-4-(trifluoromethyl)-1,3-thiazole-5-carbonyl chloride in THF was treated with Et3N followed by stirring for 16 h at 60° to give 95% N-(3'-chloro-4'-fluoro-1,1'-biphenyl-2-yl)-2-methyl-4-(trifluoromethyl)-1,3-thiazole-5-carboxamide. The latter at 10 ppm gave 83% control of Sphaerotheca fuliginea.

IT 577794-35-5P 577794-38-8P 577794-39-9P
 577794-40-2P 577794-41-3P 577794-43-5P
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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of (trifluoromethylthiazolyl)carboxanilides as agricultural microbicides)
 RN 577794-35-5 CAPLUS
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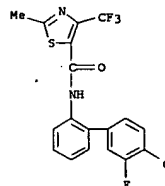


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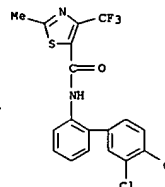
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-43-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-44-6 CAPLUS
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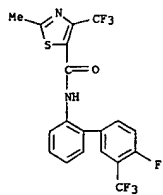


RN 577794-45-7 CAPLUS
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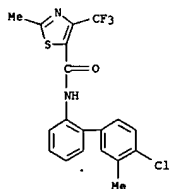
Karen Cheng

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L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

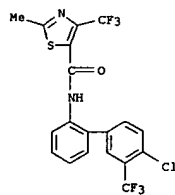


RN 577794-46-8 CAPLUS
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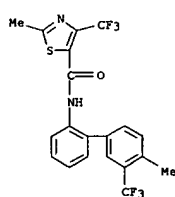


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L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

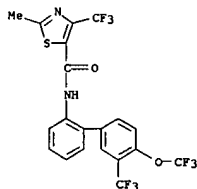


RN 577794-48-0 CAPLUS
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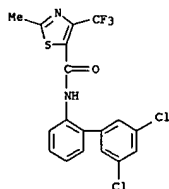


RN 577794-49-1 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-(trifluoromethoxy)-3'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

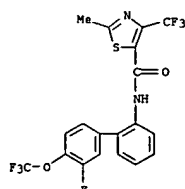
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-50-4 CAPLUS
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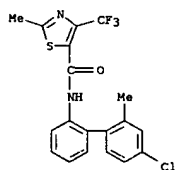
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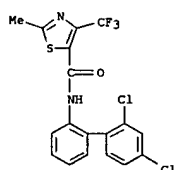
RN 577794-52-6 CAPLUS
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Karen Cheng

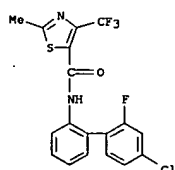
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 577794-53-7 CAPLUS
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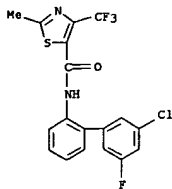
RN 577794-54-8 CAPLUS
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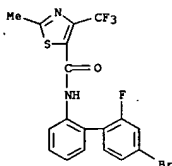
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CN 5-Thiazolecarboxamide, N-(3'-chloro-5'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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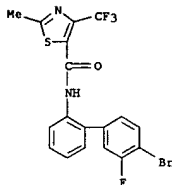
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



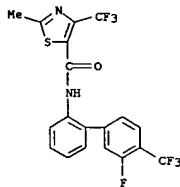
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 CN 5-Thiazolecarboxamide, N-(4'-bromo-2'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-57-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



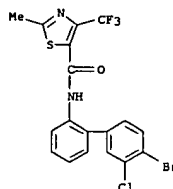
L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



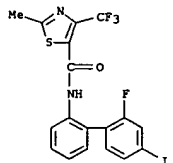
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 577794-58-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-bromo-3'-chloro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 577794-59-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(2'-fluoro-4'-iodo[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



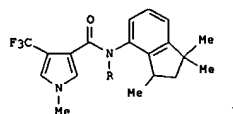
RN 577794-60-6 CAPLUS
 CN 5-Thiazolecarboxamide, N-[3'-fluoro-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:575050 CAPLUS
 DOCUMENT NUMBER: 137:140520
 TITLE: Preparation of carboxamides as agrochemical fungicides
 INVENTOR(S): Walter, Harald; Trah, Stephan
 PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
 SOURCE: PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059086	A1	20020801	WO 2002-EP717	20020124
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2433819	AA	20020801	CA 2002-2433819	20020124
EP 1355879	A1	20031029	EP 2002-715469	20020124
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 200302581	A2	20031128	HU 2003-2581	20020124
BR 2002006678	A	20040210	BR 2002-6678	20020124
CN 1498208	A	20040519	CN 2002-804178	20020124
JP 2004519464	T2	20040702	JP 2002-559388	20020124
ZA 2003005102	A	20040825	ZA 2003-5102	20030630
US 2004138265	A1	20040715	US 2004-470069	20040112
PRIORITY APPL. INFO.:			GB 2001-1996	A 20010125
			WO 2002-EP717	W 20020124

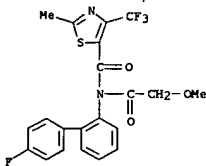
OTHER SOURCE(S): MARPAT 137:140520
 GI



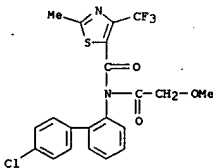
AB The title compds. ACONR1Q [A = substituted pyrazol-4-yl, pyrrol-3-yl, thiazol-5-yl, etc.; Q = substituted Ph, thienyl, indan-4-yl, etc.; R1 = CH2CH:CH2, CH2C.tplbond.CH, COMe, etc.] which have plant-protective properties and are suitable for protecting plants against infestation by phytopathogenic microorganisms, in particular fungi, were prepared. Thus, N-alkylation of the amide I [R = H] with propargyl bromide in the presence of NaH in THF afforded the title amide I [R = CH2C.tplbond.CH] which exhibit strong efficacy (<20% infestation) in tests against Puccinia

Karen Cheng

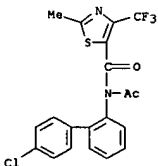
L6 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
recondita/wheat and against Podosphaera leucotricha/apple. All the
claimed compds. follow the author's nomenclature.
IT 444618-43-3P 444618-44-4P 444618-45-5P
444618-46-6P 444618-47-7P 444618-48-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(Preparation of carbamides as agrochem. fungicides)
RN 444618-43-3 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-N-(methoxycarbonyl)-
2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 444618-44-4 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-N-(methoxycarbonyl)-
2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

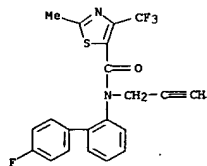


RN 444618-45-5 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-N-2-
propynyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

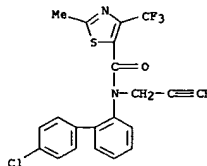


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

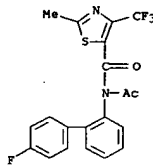
L6 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 444618-46-6 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro[1,1'-biphenyl]-2-yl)-2-methyl-N-2-
propynyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 444618-47-7 CAPLUS
CN 5-Thiazolecarboxamide, N-acetyl-N-(4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-
4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

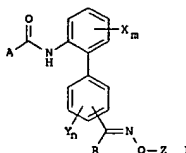


RN 444618-48-8 CAPLUS
CN 5-Thiazolecarboxamide, N-acetyl-N-(4'-chloro[1,1'-biphenyl]-2-yl)-2-methyl-
4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:90017 CAPLUS
DOCUMENT NUMBER: 136:151158
TITLE: Preparation of N-biphenylcarboxamides as bactericides
INVENTOR(S): Elbe, Hans-Ludwig; Rieck, Heiko; Dunkel, Ralf;
Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid;
Kuck, Karl-Heinz; Kugler, Martin; Jaetsch, Thomas
Bayer Aktiengesellschaft, Germany
PCT Int. Appl., 164 pp.
PATENT ASSIGNEE(S): BAYER AKTIENGESELLSCHAFT, GERMANY
SOURCE: PCT Int. Appl., 164 pp.
DOCUMENT TYPE: CODEN: PIXXD2
LANGUAGE: Patent
German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008197	A1	20020131	WO 2001-EP7981	20010711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CP, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10122447	A1	20020419	DE 2001-10122447	20010509
EP 1305292	A1	20030502	EP 2001-956525	20010711
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001012676	A	20030624	BR 2001-12676	20010711
HU 200301661	A2	20030828	HU 2003-1661	20010711
JP 2004504383	T2	20040212	JP 2002-514103	20010711
ZA 2003000633	A	20040212	ZA 2003-633	20030123
US 2004039043	A1	20040226	US 2003-333598	20030506
PRIORITY APPLN. INFO.:			DE 2000-10035857	A 20000724
			DE 2001-10122447	A 20010509
			WO 2001-EP7981	W 20010711

OTHER SOURCE(S): MARPAT 136:151158
GI

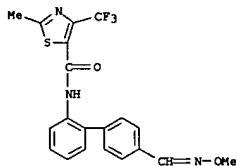


AB Title compds. [I: R = H, (halo)alkyl, cycloalkyl; Z = H, (halo)alkyl; X, Y = halo, NO2, cyano, OH, CO2H, cycloalkyl, alkoxy, alkoxyimidoalkyl, (halo-substituted) alkyl, alkoxy, alkylthio, alkenyloxy,

L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
alkynyl, alkylsulfonyle, alkylsulfonyle; m = 0-3; n = 0-4; A = (substituted) 1H-pyrazol-4-yl, 2- or 3-thienyl, Ph, 3-pyridinyl, 3-pyranyl, 1,4-oxathin-3-yl, 2- or 3-thiopyranyl, 3-pyrrolyl, 3- or 2-furanyl, 5- or 4-thiazolyl, 4-isothiazolyl, 5-isoxazolyl, 2-pyrazinyl, were prepd. Thus, a mixt. of 2-(4-methoxyiminomethylphenyl)benzenamine (prepn. given) and Et3N in PhMe was stirred with 2-methyl-4-trifluoromethylthiazole-5-carbonyl chloride at room temp. followed by stirring for 2 h at 50° to give 74% N-[2-(4-methoxyiminomethylphenyl)phenyl]-2-methyl-4-trifluoromethylthiazole-5-carboxamide. Several 1 at 100 ppm gave 77-100% control of Podosphaera leucotricha on apple.

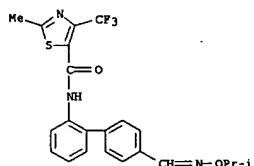
IT 393820-27-4P 393820-33-2P 393820-35-4P
393820-37-6P 393820-39-8P 393820-41-2P
393820-43-4P 393820-45-6P 393820-47-8P
393820-77-4P 393820-94-5P 393821-33-5P
393821-49-3P 393821-51-7P 393821-77-7P
393821-80-2P 393822-00-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-biphenylcarboxamides as bactericides)

RN 393820-27-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

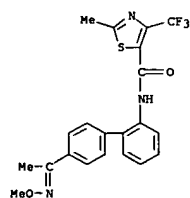


RN 393820-33-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

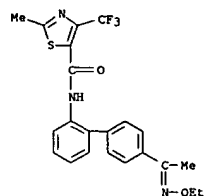
L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 393820-41-2 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(1-methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



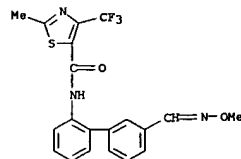
RN 393820-43-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(1-methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



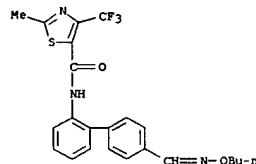
RN 393820-45-6 CAPLUS

Karen Cheng

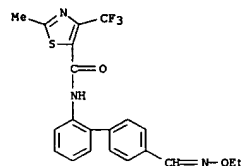
L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 393820-35-4 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(butoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

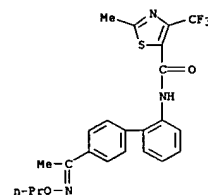


RN 393820-37-6 CAPLUS
CN 5-Thiazolecarboxamide, N-[4'-[(ethoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

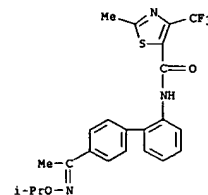


RN 393820-39-8 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(1-methylethoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

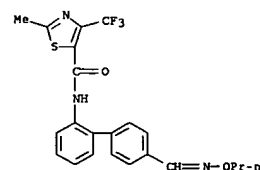
L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(1-propoxyimino)ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 393820-47-8 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(1-methylethoxyimino)ethyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 393820-77-4 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[4'-[(propoxyimino)methyl][1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

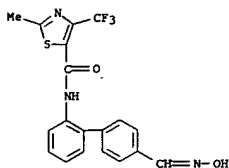


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L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

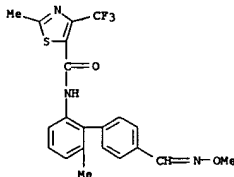
RN 393820-94-5 CAPLUS

CN 5-Thiazolecarboxamide, N-[4'-[(hydroxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



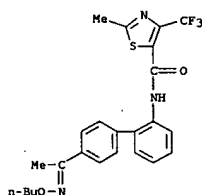
RN 393821-33-5 CAPLUS

CN 5-Thiazolecarboxamide, N-[4'-[(methoxyimino)methyl]-6-methyl[1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



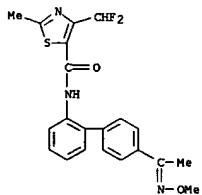
RN 393821-49-3 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



RN 393822-00-9 CAPLUS

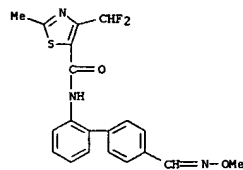
CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[4'-[1-(methoxyimino)ethyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3

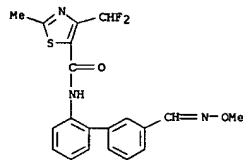
THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



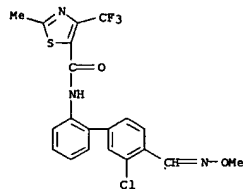
RN 393821-51-7 CAPLUS

CN 5-Thiazolecarboxamide, 4-(difluoromethyl)-N-[3'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl- (9CI) (CA INDEX NAME)



RN 393821-77-7 CAPLUS

CN 5-Thiazolecarboxamide, N-[3'-chloro-4'-[(methoxyimino)methyl][1,1'-biphenyl]-2-yl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 393821-80-2 CAPLUS

L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:793427 CAPLUS

DOCUMENT NUMBER: 135:331421

TITLE: Preparation of biphenyl moiety-containing heterocyclic compounds as agrochemical fungicides

INVENTOR(S): Sakaguchi, Hiroshi

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.

CODEN: JKOXAF

DOCUMENT TYPE: Patent

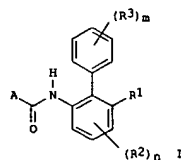
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001302605	A2	20011031	JP 2000-119399	20000420
PRIORITY APPLN. INFO.:			JP 2000-119399	20000420
OTHER SOURCE(S):				

GI



AB The title compds. I [R1 = alkyl, etc.; n = 0 - 3; R2 = F; m = 0 - 5; R3 = halo, alkyl, etc.; A = pyrazole moiety (generic structure given), etc.] are prepared

N-(4'-Chloro-6-methylbiphenyl-2-yl)-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide at 200 ppm gave complete control of Sphaerotheca fuliginea on cucumber.

IT 370070-27-2P 370070-28-3P 370070-29-4P

370070-30-7P 370070-31-8P 370070-32-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of biphenyl moiety-containing heterocyclic compds. as agrochem.

fungicides)

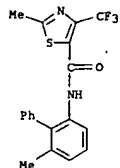
RN 370070-27-2 CAPLUS

CN 5-Thiazolecarboxamide, 2-methyl-N-(6-methyl[1,1'-biphenyl]-2-yl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

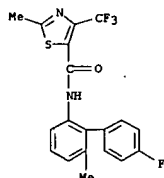
Karen Cheng

10508329

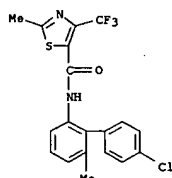
L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



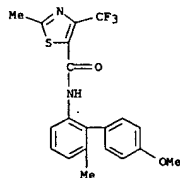
RN 370070-28-3 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-fluoro-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 370070-29-4 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-chloro-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

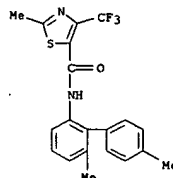


L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

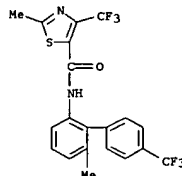


L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 370070-30-7 CAPLUS
CN 5-Thiazolecarboxamide, N-(4',6-dimethyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 370070-31-8 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[6-methyl-4'-(trifluoromethyl)[1,1'-biphenyl]-2-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

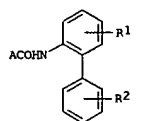


RN 370070-32-9 CAPLUS
CN 5-Thiazolecarboxamide, N-(4'-methoxy-6-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:280947 CAPLUS
DOCUMENT NUMBER: 126:264007
TITLE: Preparation of heteroaryl biphenylamides as agrochemical and industrial fungicides.
INVENTOR(S): Eicken, Karl; Rang, Harald; Harreus, Albrecht; Goetz, Norbert; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 21 pp.
CODEN: GWXKX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19531813	A1	19970306	DE 1995-19531813	19950830
WO 9708148	A1	19970306	WO 1996-EP3753	19960826
W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9669285	A1	19970319	AU 1996-69285	19960826
EP 847388	A1	19980617	EP 1996-930102	19960826
EP 847388	B1	20030625		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 11511449	T2	19991005	JP 1996-509844	19960826
AT 243682	E	20030715	AT 1996-930102	19960826
PT 847388	T	20031031	PT 1996-930102	19960826
ES 2202463	T3	20040401	ES 1996-930102	19960826
ZA 9607315	A	19980302	ZA 1996-7315	19960829
US 5998450	A	19991207	US 1998-11717	19980217
PRIORITY APPLN. INFO.:			DE 1995-19531813	A 19950830
			WO 1996-EP3753	W 19960826
OTHER SOURCE(S):		MARPAT 126:264007		
GI				

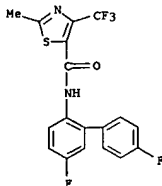


AB Title compds. (I: R1 = F; R2 = H, halo, alkyl, CF3, alkoxy, alkylthio; A = substituted pyridyl, thiazolyl, pyrazolyl), were prepared. Thus, 2-amino-4'-chloro-5-fluorobiphenyl (preparation given) was stirred with 2-chloronicotinoyl chloride in THF containing Et3N at 5° to give 2-nicotinic acid 4'-chloro-5-fluorobiphenyl-2-amide. Several I at 250 ppm gave 100% control of Botrytis cinerea on paprika.
IT 188731-24-OP 188731-25-IP 188731-26-2P

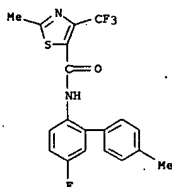
Karen Cheng

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L6 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 188731-27-3P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of aryl biphenylamides as agrochem. and industrial fungicides)
 RN 188731-24-0 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4',5-difluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 188731-25-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-(5-fluoro-4'-methyl[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 188731-26-2 CAPLUS
 CN 5-Thiazolecarboxamide, N-(4'-chloro-5-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1996:577537 CAPLUS
 DOCUMENT NUMBER: 125:221837
 TITLE: N,N-disubstituted aniline derivatives for use as active agents in agricultural fungicides
 INVENTOR(S): Tomitani, Kanji; Yoshikawa, Yukihiro; Kawashima, Hideo; Matsunaga, Hirofumi; Katsuta, Hiroyuki; Yanase, Juji; Kishi, Junro; Inami, Shunichi
 PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

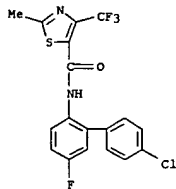
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08176112	A2	19960709	JP 1994-320411	19941222

PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 125:221837
 GI

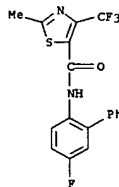


AB Comps. of formula I (R1 = acyl, carbamoyl, alkoxyalkyl, etc.; R2 = substituted Ph or heterocycle; R3 = Ph, heterocycle, alkenyl, etc.) are suitable as active ingredients in fungicides for agricultural use against plant pathogens such as Botrytis cinerea, Sphaerotheca fuliginea, Erysiphe graminis, S. humuli, Uncinula necator, Podosphaera leucotricha, Venturia inaequalis, V. nashicola, Gymnosporangium yamadai, Alternaria kikuchiana, A. mali, Puccinia striiformis, P. graminis, P. recondita, P. hordei, etc. Thus, 0.16 g of N-acetyl-N-(2-phenyl)phenyl 4-trifluoromethyl-2-methylthiazole-5-carboxamide is prepared by acetylation of 0.20 g N-(2-phenyl)phenyl-4-trifluoromethyl-2-methylthiazole-5-carboxamide with 0.07 g anhydrous acetic acid.
 IT 181296-46-8P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (N,N-disubstituted aniline derivs. for use as active agents in agricultural fungicides)
 RN 181296-46-8 CAPLUS
 CN 5-Thiazolecarboxamide, N-acetyl-N-[1,1'-biphenyl]-2-yl-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

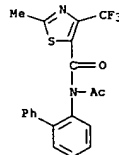
L6 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



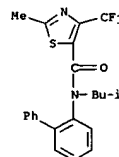
RN 188731-27-3 CAPLUS
 CN 5-Thiazolecarboxamide, N-(5-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



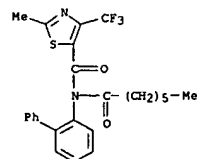
L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 181296-47-9P 181296-49-1P 181296-51-5P
 181296-52-6P 181296-53-7P 181296-54-8P
 181296-55-9P 181296-56-0P 181296-61-7P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (N,N-disubstituted aniline derivs. for use as active agents in agricultural fungicides)
 RN 181296-47-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-N-(2-methylpropyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



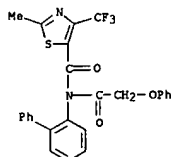
RN 181296-49-1 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-N-(1-oxoheptyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



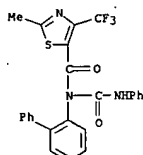
Karen Cheng

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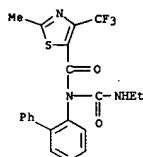
L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 181296-51-5 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-N-(phenoxyacetyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 181296-52-6 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-N-(phenylamino)carbonyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

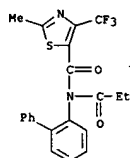


RN 181296-53-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-N-[(ethylamino)carbonyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

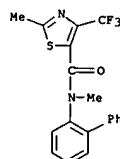


RN 181296-54-8 CAPLUS

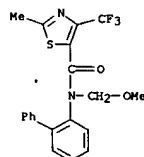
L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 (trifluoromethyl)- (9CI) (CA INDEX NAME)



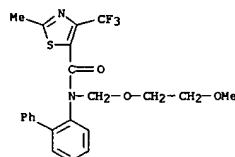
L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-N,2-dimethyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 181296-55-9 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-N-(methoxymethyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 181296-56-0 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-N-[(2-methoxyethoxy)methyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 181296-61-7 CAPLUS
 CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-N-(1-oxopropyl)-4-

L6 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:397177 CAPLUS
 DOCUMENT NUMBER: 125:86664
 TITLE: Preparation of N-acyl-2-heterocyclylaniline derivatives as agricultural and horticultural fungicides
 INVENTOR(S): Yoshikawa, Yukihiro; Tomitani, Kanji; Kawashima, Hideo; Maeda, Sunao; Matsunaga, Hirofumi; Katsuta, Hiroyuki; Yanase, Juji; Kishi, Junro; Shimotori, Hitoshi; Inami, Shunichi
 PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08092223	A2	19960409	JP 1994-231599	19940927
PRIORITY APPLN. INFO.:			JP 1994-231599	19940927
OTHER SOURCE(S):	MARPAT	125:86664		
GI				

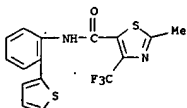
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. (I; Het = Q - Q7; wherein X = O, S; R1 = H, Cl-4 (halo)alkyl; R = Q8 - Q12; wherein R2 = Cl-4 (halo)alkyl; X1 = O, S; R3 = H, Cl-4 alkyl; R4 = halo; Z = N, CH; n is not defined] are prepared Thus, 0.25 g 1-methyl-3-trifluoromethylpyrazole-4-carboxylic acid was refluxed with 3 mL SOCl2 for 1.5 h and concentrated to give 1-methyl-3-trifluoromethylpyrazole-4-carbonyl chloride, which was dissolved in THF, treated with 0.2 g pyridine and then with a solution of 0.23 g 2-(2-thienyl)aniline in 1 mL THF, and stirred at room temperature for 1 h to give 78% the title compound (II). II at 50 ppm controlled 100% Botrytis cinerea in kidney bean and strawberry plants.
 IT 178263-85-9P 178263-87-1P 178263-89-3P
 178263-91-7P 178263-92-8P 178263-93-9P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of N-acyl-2-heterocyclylaniline derivs. as agricultural and horticultural fungicides)
 RN 178263-85-9 CAPLUS
 CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2-thienyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

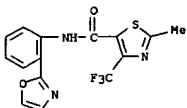
Karen Cheng

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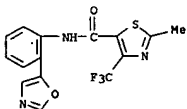
L6 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



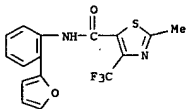
RN 178263-87-1 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(2-oxazolyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 178263-89-3 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(5-oxazolyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



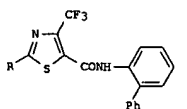
RN 178263-91-7 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(2-furanyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:784957 CAPLUS
DOCUMENT NUMBER: 123:198788
TITLE: Preparation of thiazolecarboxamide derivatives as agrochemical fungicides
INVENTOR(S): Yoshikawa, Yukihiko; Kawashima, Hideo; Tomitani, Kanji; Yanase, Juji; Kishi, Junro
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKOKAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07145156	A2	19950606	JP 1993-293004	19931124

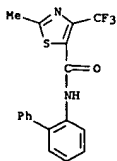
PRIORITY APPLN. INFO.:
GI JP 1993-293004 19931124



AB The title compds. I [R = H, methyl] are prepared I [R = methyl] (preparation given) at 50 ppm gave complete control of Botrytis cinerea. I [R = H] at 50 ppm also gave complete control of Botrytis cinerea.

IT 167548-91-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of thiazolecarboxamide derivs. as agrochem. fungicides)

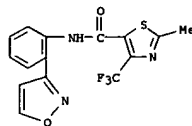
RN 167548-91-6 CAPLUS
CN 5-Thiazolecarboxamide, N-[1,1'-biphenyl]-2-yl-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



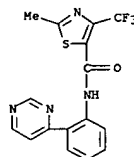
Karen Cheng

L6 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 178263-92-8 CAPLUS
CN 5-Thiazolecarboxamide, N-[2-(3-isoxazolyl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 178263-93-9 CAPLUS
CN 5-Thiazolecarboxamide, 2-methyl-N-[2-(4-pyrimidinyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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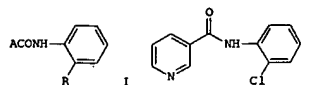
L6 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1993:560132 CAPLUS
DOCUMENT NUMBER: 119:160132
TITLE: Anilide derivatives and their use to combat Botrytis
INVENTOR(S): Eicken, Karl; Goetz, Norbert; Harreus, Albrecht;
Ammermann, Eberhard; Lorenz, Gisela; Rang, Harald
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 60 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 545099	A2	19930609	EP 1992-119105	19921107
EP 545099	A3	19931124		
EP 545099	B1	19970305		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CA 2081935	AA	19930523	CA 1992-2081935	19921102
CA 2081935	C	20040525		
IL 103614	A1	19980924	IL 1992-103614	19921102
AT 149487	E	19970315	AT 1992-119105	19921107
ES 2098421	T3	19970501	ES 1992-119105	19921107
US 5330995	A	19940719	US 1992-973976	19921109
JP 05221994	A2	19930831	JP 1992-303337	19921113
JP 3202079	B2	20010827		
AU 9228554	A1	19930527	AU 1992-28554	19921120
AU 656243	B2	19950127		
HU 62861	A2	19930628	HU 1992-3653	19921120
HU 213622	B	19970828		
ZA 9208977	A	19940519	ZA 1992-8977	19921120
PL 171304	B1	19970328	PL 1992-296677	19921120
SK 281730	B6	20010710	SK 1992-3448	19921120
CZ 289478	B6	20020116	CZ 1992-3448	19921120
US 5480897	A	19960102	US 1994-215463	19940321
US 5556988	A	19960917	US 1995-472927	19950607
US 5589493	A	19961231	US 1995-478681	19950607
JP 2001253802	A2	20010918	JP 2001-85276	20010323
JP 3657523	B2	20050608		
JP 2001316210	A2	20011113	JP 2001-85342	20010323
JP 3660890	B2	20050615		
PRIORITY APPLN. INFO.:				
		DE 1991-4138387	A	19911122
		DE 1992-4204764	A	19920218
		DE 1992-4204766	A	19920218
		DE 1992-4204767	A	19920218
		DE 1992-4204768	A	19920218
		US 1992-973976	A3	19921109
		JP 1992-303337	A3	19921113
		US 1994-215463	A3	19940321

OTHER SOURCE(S):
G1

L6 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The use of the title compds. I (A = heteroaryl; R = haloalkyl, halo, alkenyl, alkoxy, etc.) for the inhibition of Botrytis is claimed. Treatment of N-propylaniline with 2-chloronicotinoyl chloride gave N-(2-chlorophenyl)-3-pyridinamide (II). II had fungicidal activity against Botrytis cinerea.

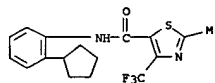
IT 149708-82-7P 149708-83-8P 149708-84-9P

149708-85-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as agrochem. fungicide)

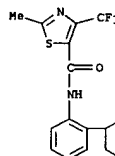
RN 149708-82-7 CAPLUS

CN 5-Thiazolecarboxamide, N-(2-cyclopentylphenyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 149708-83-8 CAPLUS

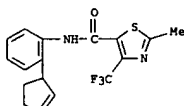
CN 5-Thiazolecarboxamide, N-(2-cyclohexylphenyl)-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 149708-84-9 CAPLUS

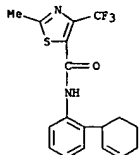
CN 5-Thiazolecarboxamide, N-[2-(2-cyclopenten-1-yl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 149708-85-0 CAPLUS

CN 5-Thiazolecarboxamide, N-[2-(2-cyclohexen-1-yl)phenyl]-2-methyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



Karen Cheng

10508329

=> fil stng

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
123.10	544.88

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-18.00	-30.75

CA SUBSCRIBER PRICE

FILE 'STNGUIDE' ENTERED AT 13:55:25 ON 07 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Dec 1, 2006 (20061201/UP).

=>

=>

=> 33

33 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.96	548.84

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-30.75

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:34:55 ON 07 DEC 2006

Karen Cheng